

Bland–Altman Agreement Plot

Test: Bland–Altman Agreement Plot

Design: Pairwise agreement of G1 and G3 on the original grade scale.

Variables: G1, G3

Null hypothesis: The mean G3–minus–G1 bias is zero and differences show no magnitude pattern.

Formula: $d_i = G3_i - G1_i$; $\text{bias} = \text{mean}(d)$; 95% limits = $\text{bias} \pm 1.96 \text{ SD}(d)$.

Source rows: 649

Calculated metrics:

mean_bias: 0.50693374422188

sd_difference: 1.82075601503398

lower_limit: -3.06174804524472

upper_limit: 4.07561553368848

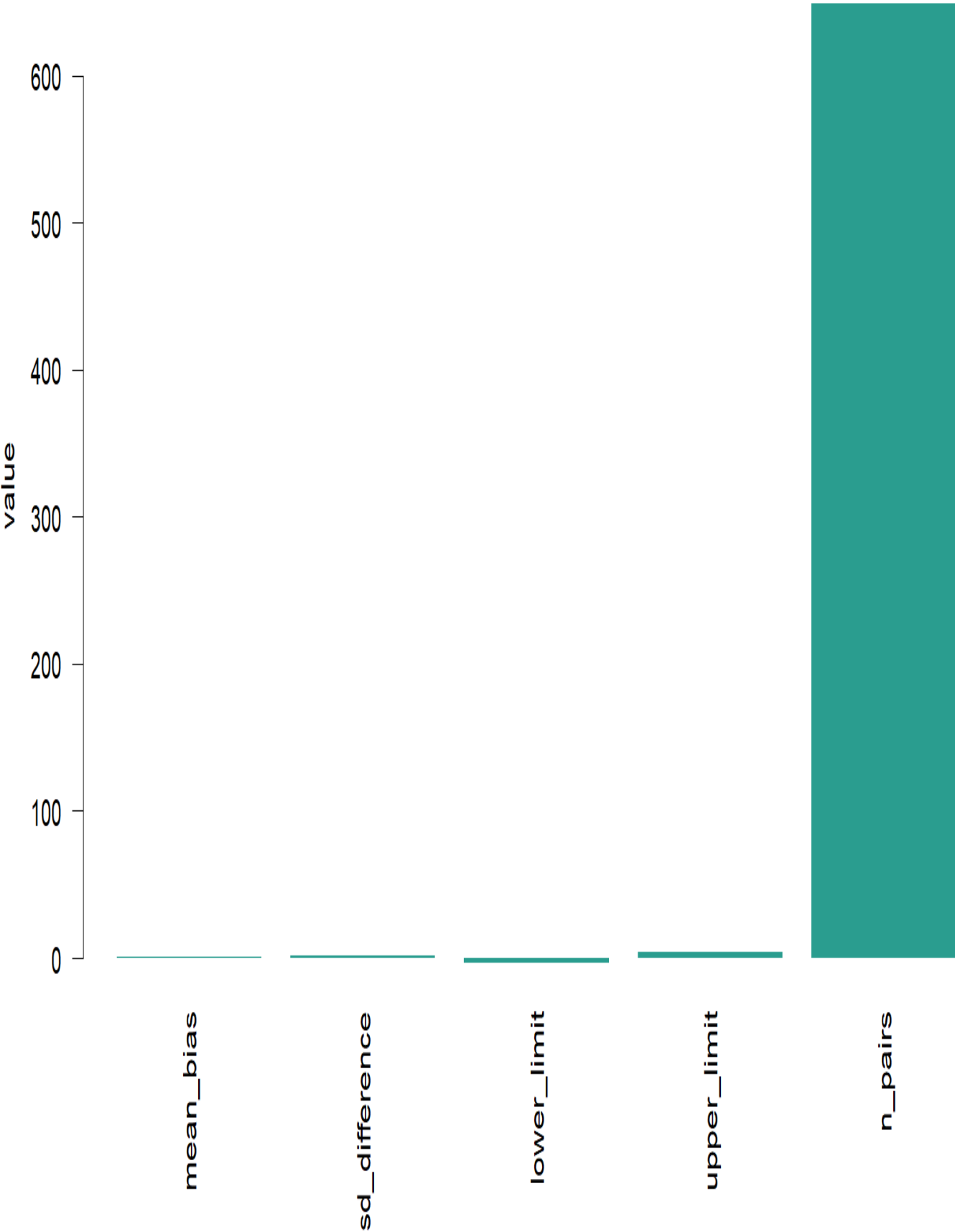
n_pairs: 649

Interpretation:

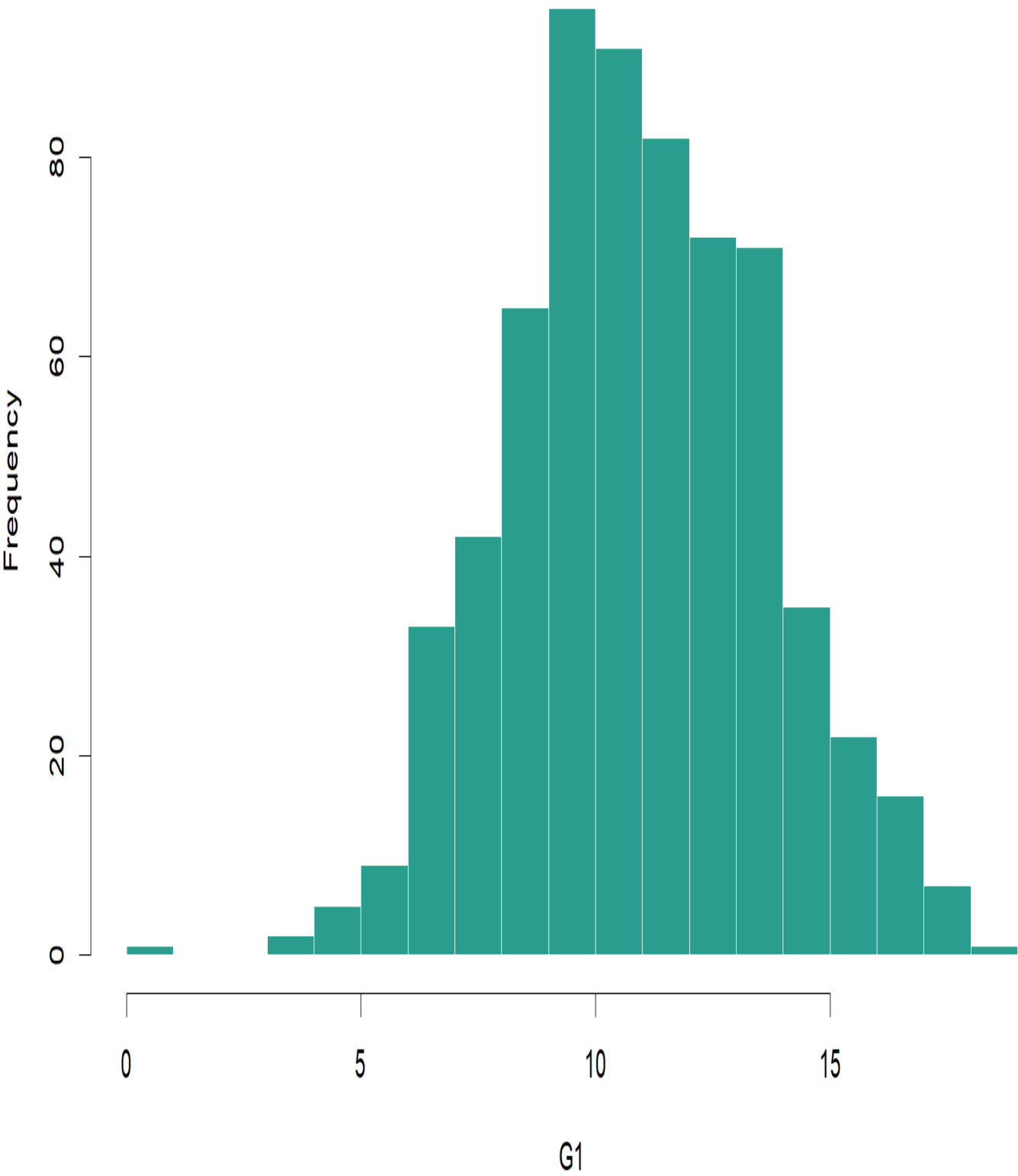
Agreement is evaluated from paired differences rather than correlation.

Bias 0.50693374422188 limits -3.06174804524472 4.07561553368848

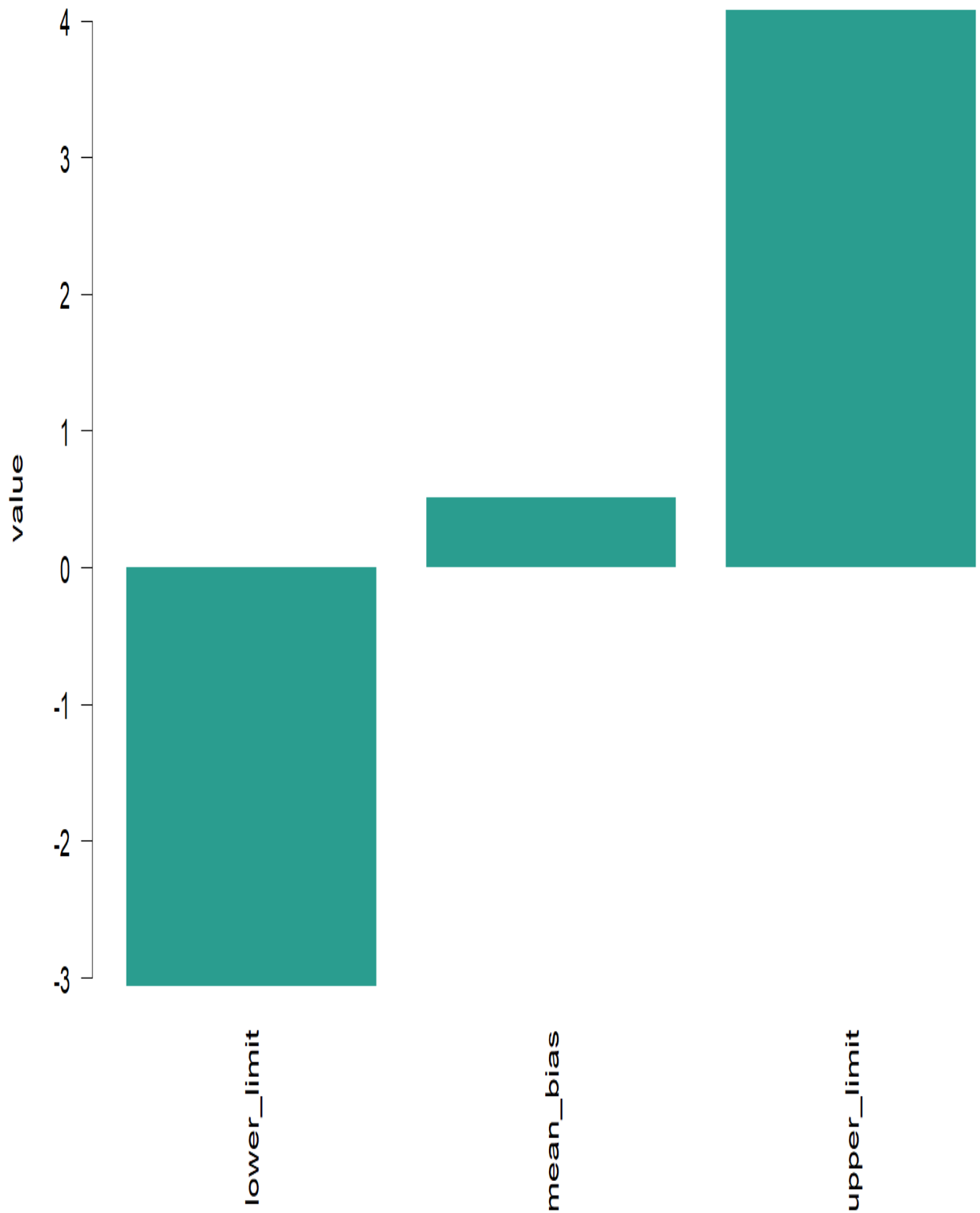
Bland-Altman Agreement Plot - primary metrics



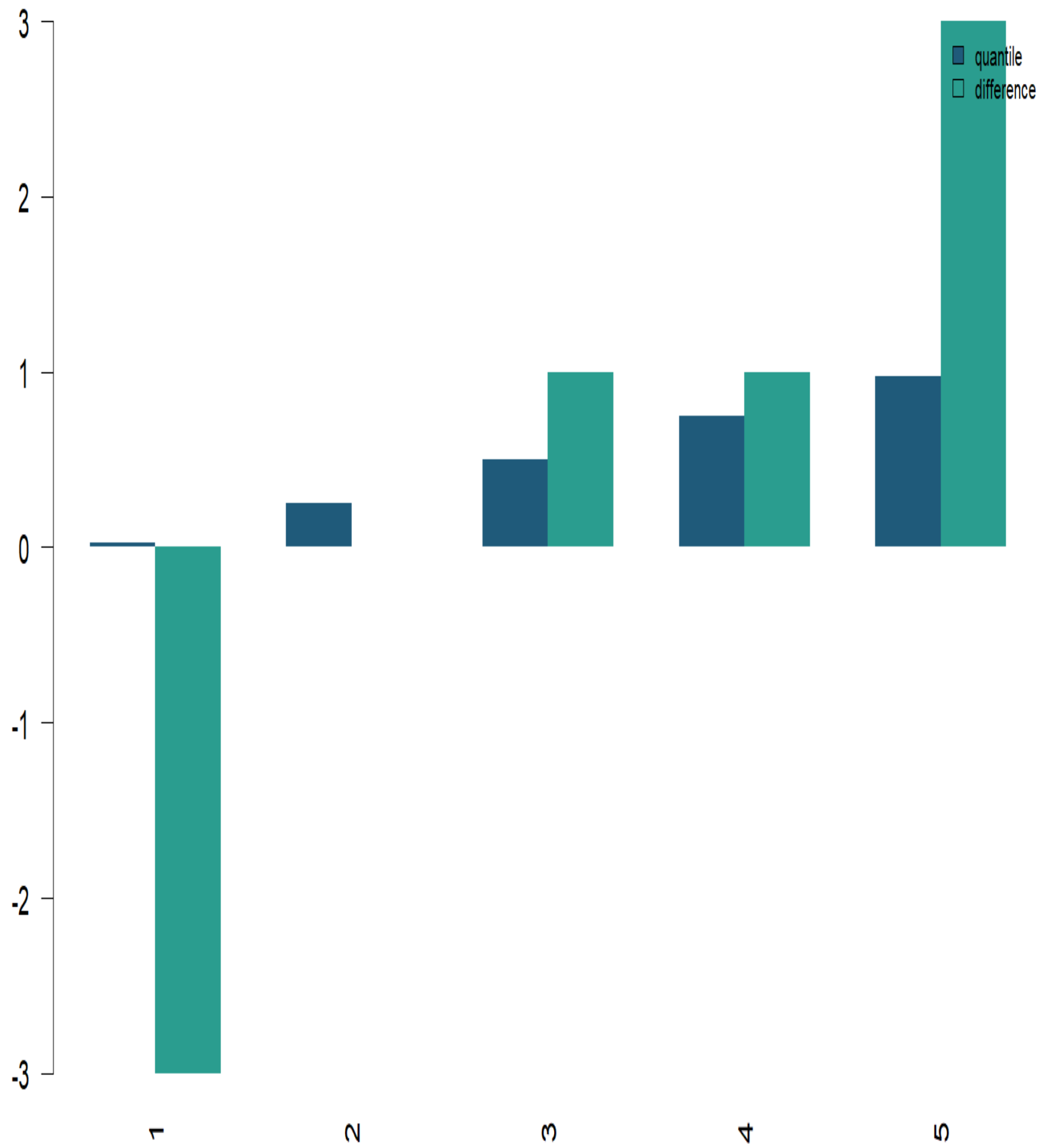
Bland-Altman Agreement Plot - paired agreement data



Bland-Altman Agreement Plot - agreement limits



Bland-Altman Agreement Plot - difference quantiles



Bland-Altman Agreement Plot verified results

